

316 **Abstract**

317 A multicarrier transmitter is shown having an embodiment of the invention. Sampling of
318 modulated and amplified signals may be done to obtain energy values for four or more
319 symbols. Combining the energy values with the baseband in-phase and quadrature
320 signals of the multiple carriers may result in a set of imbalance parameters, which are
321 subsequently stored. Later baseband in-phase and quadrature signals may be
322 predistorted or compensated by applying the stored imbalance parameters to produce
323 new compensated baseband in-phase and compensated baseband quadrature signals,
324 which may be suitable for input to an inverse fast fourier transform (IFFT) block.

325